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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/554,211	10/24/2005	Kohei Watanabe	03500.103825	2816
5514 FITZDATDICK	7590 11/07/200	EXAMINER		
FITZPATRICK CELLA HARPER & SCINTO 30 ROCKEFELLER PLAZA			SHEN, BIN	
NEW YORK, I	NY 10112		ART UNIT	PAPER NUMBER
			1657	
			MAIL DATE	DELIVERY MODE
			11/07/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

:	Application No.	Applicant(s)				
	10/554,211	WATANABE ET AL.				
Office Action Summary	Examiner	Art Unit				
	Bin Shen	1657				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. (D) (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 05 Se	eptember 2007.					
,						
• • •	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 1,3-10,22-33 and 37-42 is/are pending in the application.						
4a) Of the above claim(s) 22-33 is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
	6)⊠ Claim(s) <u>1, 3-10, 37-42</u> is/are rejected.					
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examine	г.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Gee the attached detailed office action for a list	·					
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal F					
Paper No(s)/Mail Date 6) Other:						

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The amendment received 9/5/2007 has been entered. The amended title is acceptable.

This application contains claims 22-33 drawn to an invention nonelected with traverse. A complete reply to the final rejection must include cancellation of nonelected claims or other appropriate action (37 CFR 1.144) See MPEP § 821.01.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 1. Claims 1, 3-5, 7-8, 37, 39, 41-42 are rejected under 35 U.S.C. 102(b) as being anticipated by Smith et al. (Analytical Biochemistry 1984;138:119-124).

Smith teaches a transfer sheet (see page 120, Fig. 1) comprising a sheet base (thin silicon rubber sheet, see page 120, Fig. 1, legend); and a holding area (nitrocellulose sheet with its dots, see page 120, Fig. 1, legend, lines 6-7) that transfers a biologically active substance to screen cell lines in the production of monoclonal antibody (page 119, right column, 1st full paragraph); wherein the biologically active substance is releasable from the sheet (page 119, left column, lines 8-10); wherein the sheet contains two or more holding areas (page 120, left column, 1st full paragraph); wherein the holding areas hold different biologically active substances or

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different combination of tow or more biologically active substances in different concentrations (page 121, left column, lines 3-4, and right column lines 2-6); wherein the substance is held on the protruding area (page 120, Fig. 1); wherein holding layer is formed on an entire or partial surface of the sheet base (page 120, right column, lines 13-15); wherein each holding area or a group of two or more area is surrounded by a protruding wall structure (page 120, left column 1st full paragraph and Fig. 1).

Therefore, the cited reference is deemed to anticipate the instant claims above.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1, 3-10, 37-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Smith et al. (Analytical Biochemistry 1984;138:119-124).

Smith et al. teach what is above.

Smith does not teach that the sheet is to place on the culture plate; the sheet base is made from an elastic or flexible film; the holding area is a protruding portion provided

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on the sheet base to release the biologically active substance in a sustainable manner.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the method of Smith by using elastic or flexible sheet base to screen for cell culture because the flexible sheet base will provide a simpler and rapid screening procedure for cell culture (page 123, right column, 3rd full paragraph). One would have been motivated to make the modification because Smith et al. specifically described antigen immobilized nitrocellulose sheet in antibody screening, and would reasonably have expected success in view of Smith's teaching that modification to the method can provide a simpler and rapid screening procedure (page 123, right column, 3rd full paragraph). The choice of particular conventional working conditions (e.g., holding area with protruding portion and sustainable releasing of substance, holding areas holding different biologically active substances or different combinations of biologically active substance in different concentrations) is deemed merely a matter of judicious selection and routine optimization which is well within the purview of the skilled artisan having the cited reference before him/her.

From the teachings of the references, it is apparent that one of ordinary skill in the art would have had a reasonable expectation of success in producing the claimed invention. Therefore, the invention as a whole was prima facie obvious to one of ordinary skill in the art at the time the invention was made, as evidenced by the references, especially in the absence of evidence to the contrary.

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Applicant's arguments filed 9/5/2007 have been fully considered but they are not persuasive.

Applicant argues that Smith does not teach that the antigen is releasable from the nitrocellulose sheet.

It is the examiner's position that a transfer sheet is claimed (substance is releasable from the transfer sheet is merely a property of the sheet), and Smith teaches a transfer sheet with a sheet base and a holding area.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Conclusion

No claim is allowed.

Certain papers related to this application may be submitted to Art Unit 1657 by facsimile transmission. The faxing of such papers must conform with the notices published in the Official Gazette, 1156 OG 61 (November 16, 1993) and 1157 OG 94 (December 28, 1993) (see 37 C.F.R. § 1.6(d)). The official fax telephone

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number for the Group is 571-273-8300. NOTE: If Applicant does submit a paper by fax, the original signed copy should be retained by applicant or applicant's representative. NO DUPLICATE COPIES SHOULD BE SUBMITTED so as to avoid the processing of duplicate papers in the Office.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO's Patent Electronic Business Center is a complete service center supporting all patent business on the Internet. The USPTO's PAIR system provides Internet-based access to patent application status and history information. It also enables applicants to view the scanned images of their own application file folder(s) as well as general patent information available to the public.

For all other customer support, please call the USPTO Call Center (UCC) at 800-786-9199.

Any inquiry concerning rejections or objections in this

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communication or earlier communications from the examiner should be directed to Bin Shen, Ph.D., whose telephone number is (571) 272-9040. The examiner can normally be reached on Monday through Friday, from about 9:00 AM to about 5:30 PM. A phone message left at this number will be responded to as soon as possible (i.e., shortly after the examiner returns to her office).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Jon Weber can be reached at (571) 272-0925.

Raciones

B Shen

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RALPH GITOMER PRIMARY EXAMINER GROUP 1200